

U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.
0941.64338

Serial No. 09/588,923

Applicant: Okamoto et al.

Filing Date: June 6, 2000

Group No. 1773

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)



U.S. PATENT DOCUMENTS

Examiner initial*		Document No.							Date	Name	Class	Subclass	Filing Date
HRC		4	6	6	7	0	3	2	Jun. 30, 1987	Robinson	428	611	Sep. 23, 1985
HRC		5	0	5	1	2	8	8	Sep. 24, 1991	Ahlert et al.	428	641	Mar. 16, 1989
HRC		5	4	9	3	4	6	5	Feb. 20, 1996	Kamiguchi et al.	360	113	Mar. 14, 1994
HRC		5	5	8	0	6	6	7	Dec. 3, 1996	Lal et al.	428	610	Apr. 2, 1993
HRC		5	6	0	7	7	4	0	Mar. 4, 1997	Noda	428	65.3	Oct. 14, 1994
HRC		5	6	8	8	3	8	0	Nov. 18, 1997	Koike et al.	204	192.1	Oct. 15, 1996
HRC		5	7	3	6	2	6	2	Apr. 7, 1998	Ohkijima et al.	428	611	Dec. 5, 1995
HRC		5	7	5	6	2	0	2	May 26, 1998	Van Kesteren et al.	428	332	Mar. 13, 1997
HRC		5	8	3	4	1	1	1	Nov. 19, 1998	Lal et al.	428	332	May 31, 1994
HRC		5	8	4	0	3	9	4	Nov. 24, 1998	Ranjan et al.	428	65.3	Apr. 2, 1997
HRC		5	8	5	1	6	4	3	Dec. 22, 1998	Honda et al.	428	212	Mar. 26, 1997
HRC		5	8	5	1	6	5	6	Dec. 22, 1998	Ohkubo	428	332	Jan. 13, 1997
HRC		5	8	9	8	5	4	9	Apr. 27, 1999	Gill	360	113	Oct. 27, 1997
HRC		5	9	2	2	4	5	6	Jul. 13, 1999	Tanahashi et al.	428	332	Sep. 3, 1997
HRC		6	0	7	7	5	8	6	Jun. 20, 2000	Bian et al.	428	65.3	Jul. 15, 1997
HRC		6	1	4	3	3	8	8	Nov. 7, 2000	Bian et al.	428	65.3	Nov. 24, 1997
HRC		6	1	5	0	0	1	6	Nov. 21, 2000	Song et al.	428	332	Nov. 10, 1998
HRC		6	2	4	8	3	9	5	Jun. 19, 2001	Homola et al.	427	129	May 24, 1999

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			Document No.							Date	Country	Class	Subclass	Translation	
			Yes	No											
HEL	W	0	9	6	2	4	9	2	7	Aug. 15, 1996	PCT			X	
HEL	W	0	9	7	3	4	2	9	5	Sep. 18, 1997	PCT			X	
HEL	0	8	9	2	3	9	3	A	1	Jan. 20, 1999	EPO			X	
HEL	1	1	3	2	8	6	4	6	A	Nov. 30, 1999	Japan			X	
HEL		2	3	5	5	0	1	8	A	Apr. 11, 2001	United Kingdom			X	
HEL			1	1	7	3	6	2	1	Mar. 16, 1999	Japan				X

H. Kikun, w/stor.

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HLL	4 7 8 9 5 9 8	Dec. 6, 1998	Howard et al.	428	408	Jan. 20, 1987
HLL	5 4 0 8 3 7 7	Apr. 18, 1995	Gurney et al.	360	113	Oct. 15, 1993
HLL	5 4 6 2 7 9 6	Oct. 31, 1995	Teng et al.	428	336	May 21, 1992
HLL	5 4 6 5 1 8 5	Nov. 7, 1995	Heim et al.	360	113	Oct. 15, 1993
HLL	5 5 2 3 1 7 3	Jun. 4, 1996	Doerner et al.	428	611	Dec. 27, 1994
HLL	6 0 1 3 3 6 5	Jan. 11, 2000	Dieny et al.	428	332	Dec. 5, 1996

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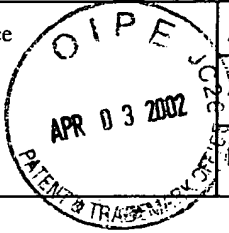
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

HLL	S.E. Lambert, et al., "Reduction of Media Noise in Thin Film Metal Media by Lamination"-IEEE Transactions on Magnetics, vol. 26, No. 5, Sep. 1990, pp. 2706-2708.
HLL	E.S. Murdock, et al., "Noise Properties of Multilayered Co-Alloy Magnetic Recording Media"-IEEE Transactions on Magnetics, vol. 26, No. 5, Sep. 1990, pp. 2700-2705.
HLL	A. Murayama, et al., "Interlayer Exchange Coupling in Co/Cr/Co Double Layered Recording Films Studied by Spin-Wave Brillouin Scattering"-IEEE Transactions on Magnetics, vol. 27, No. 6, Nov. 1991, pp. 5064-5066.
HLL	S.E. Lambert, et al., "Laminated Media for High Density Recording"-IEEE Transactions on Magnetics, vol. 29, No. 1, Jan. 1993, pp. 223-229.
HLL	E. Teng, et al., "Flash Chromium Interlayer for High Performance Disks with Superior Noise and Coercivity Squareness"-IEEE Transactions on Magnetics, vol. 29, No. 6, Nov. 1993, pp. 3679-3681.
HLL	S.S.P. Parkin et al., "Oscillations in Exchange Coupling and Magnetoresistance in Metallic Superlattice Structures: Co/Ru, Co/Cr, and Fe/Cr", Physical Review Letters, vol. 64, No. 19, May 7, 1990, pp. 2304-2307.

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

H. Lickner 6/5/02

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U.S. PATENT PUBLICATIONS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HHC	2001/0038931	Nov. 8, 2001	Carey et al.	428	694	Jul. 11, 2001

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						Yes	No
HHC	JP 10-149526 A	Jun. 2, 1998	Japan			Abs.	

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<i>HL</i>	5,843,569	Dec. 1, 1998	Kaitsu et al.	428	323	Feb. 24, 1997

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	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
<i>HL</i>	DE 197 00 506 A1	Jul. 17, 1997	Germany				X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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